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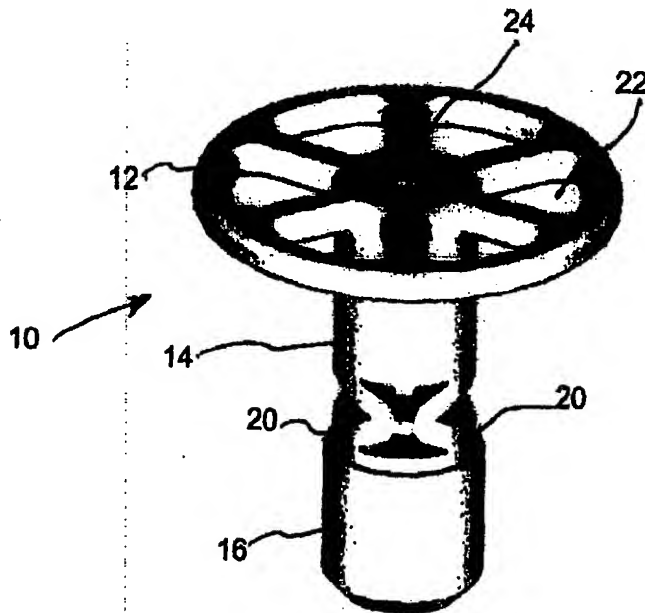
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(54) Scaffold fixation device for use in articular cartilage repair

(57) The present invention provides a scaffold fixation device for fastening an articular cartilage scaffold to underlying bone, which device provides controlled loading of the cartilage scaffold.

## Fig 2



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# EUROPEAN SEARCH REPORT

Application Number  
EP 01 30 1878

| DOCUMENTS CONSIDERED TO BE RELEVANT  |  |   |   |
|--|--|---|---|
| Category   | Citation of document with indication, where appropriate, of relevant passages                                  | Relevant to claim   | CLASSIFICATION OF THE APPLICATION (Int.Cl.7)                |
| X  | US 4 793 335 A (FREY OTTO ET AL)<br>27 December 1988 (1988-12-27)<br>* column 2, line 45 - column 3, line 12 * | 1-5,7   | A61F2/30  |
| A  | EP 0 893 109 A (ARTHROTEK INC)<br>27 January 1999 (1999-01-27)<br>* abstract *                                 | 1-7   |   |
| A  | US 5 522 843 A (ZANG KERRY)<br>4 June 1996 (1996-06-04)<br>* abstract *  | 1-7   |   |
| E  | US 6 251 143 B1 (SCHWARTZ ROBERT E ET AL)<br>26 June 2001 (2001-06-26)<br>* the whole document *               | 1-7   |   |
| The present search report has been drawn up for all claims   |  |   | TECHNICAL FIELDS<br>SEARCHED (Int.Cl.7)<br><br>A61F<br>A61B |
| Place of search<br><b>MUNICH</b>   |  | Date of completion of the search<br><b>19 December 2002</b> | Examiner<br><b>Daintith, N</b>                              |
| CATEGORY OF CITED DOCUMENTS<br>X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document<br>T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>& : member of the same patent family, corresponding document |  |   |   |

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ON EUROPEAN PATENT APPLICATION NO.**

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19-12-2002

| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|----|---------------------|----------------------------|---------------------|
| US 4793335                                | A  | 27-12-1988          | CH 668693 A5               | 31-01-1989          |
|   |    |                     | AT 59278 T                 | 15-01-1991          |
|   |    |                     | DE 3766968 D1              | 07-02-1991          |
|   |    |                     | EP 0230937 A1              | 05-08-1987          |
| EP 0893109                                | A  | 27-01-1999          | US 5931869 A               | 03-08-1999          |
|   |    |                     | EP 0893109 A2              | 27-01-1999          |
|   |    |                     | US 6280472 B1              | 28-08-2001          |
|   |    |                     | US 6482232 B1              | 19-11-2002          |
| US 5522843                                | A  | 04-06-1996          | AT 204439 T                | 15-09-2001          |
|   |    |                     | AU 695095 B2               | 06-08-1998          |
|   |    |                     | AU 1932695 A               | 11-09-1995          |
|   |    |                     | CA 2183984 A1              | 31-08-1995          |
|   |    |                     | DE 69522317 D1             | 27-09-2001          |
|   |    |                     | DE 69522317 T2             | 08-05-2002          |
|   |    |                     | EP 0746238 A1              | 11-12-1996          |
|   |    |                     | JP 3024799 B2              | 21-03-2000          |
|   |    |                     | JP 9507651 T               | 05-08-1997          |
|   |    |                     | KR 196056 B1               | 15-06-1999          |
|   |    |                     | NZ 282268 A                | 26-06-1998          |
|   |    |                     | WO 9522930 A1              | 31-08-1995          |
|   |    |                     | US 5720766 A               | 24-02-1998          |
| US 6251143                                | B1 | 26-06-2001          | AU 5177200 A               | 28-12-2000          |
|   |    |                     | WO 0074554 A2              | 14-12-2000          |
|   |    |                     | US 2001010023 A1           | 26-07-2001          |

EPO FORM P443

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82